Title (en)

Display system capable of accepting user commands by use of voice and gesture inputs

Title (de)

Anzeigesystem zur Annahme von Benutzerbefehlen aus Sprach- und Gesten-Eingabe

Title (fr)

Système d'affichage capable d'accepter des commandes d'utilisateur utilisant voix et gestes

Publication

EP 0594129 B1 20000726 (EN)

Application

EP 93116885 A 19931019

Priority

JP 28205792 A 19921020

Abstract (en)

[origin: EP0594129A2] A method of accepting multimedia operation commands wherein, while pointing to either of a display object or a display position on a display screen of a graphics display system through a pointing input device, a user commands the graphics display system to cause an event on a graphics display, through a voice input device; comprising a first step of allowing the user to perform the pointing gesture so as to enter a string of coordinate points which surround one area for either of the display object and any desired display position; a second step of allowing the user to give the voice command together with the pointing gesture; a third step of recognizing a command content of the voice command by a speech recognition process in response to the voice command; a fourth step of recognizing a command content of the pointing gesture in accordance with the recognized result of the third step; and a fifth step of executing the event on the graphics display in accordance with the command contents of the voice command and the pointing gesture. Thus, the method provides a man-machine interface which utilizes the plurality of media of the voice and the pointing gesture, which offers a high operability to the user, and with which an illustration etc. can be easily edited. <IMAGE>

IPC 1-7

G06F 3/033

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CPC (source: EP US)

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Cited by

EP2042976A1; EP1463283A3; EP1358650A4; US6133904A; EP2643968A4; DE10140874A1; EP0790584A3; EP0926588A3; EP3073368A1; US11481109B2; US7062435B2; EP0789296A1; WO2015138118A1; WO2004107229A3; WO2017189471A1; US9443510B2; US9390714B2; US10146355B2; US11816329B2; WO2008069519A1; WO2013082435A1; US7123880B2; US9152376B2; US9710223B2; US10540140B2; US11189288B2

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